

[METHOD AND APPARATUS FOR GENERATING ELECTROCARDIOGRAM PRECORDIAL LEADS USING A PRECORDIAL CENTRAL TERMINAL]

Abstract of Disclosure

A method and apparatus for generating a plurality of ECG precordial leads using a precordial central terminal derived from a plurality of electrodes for attachment around the circumference of a patient's upper torso. The apparatus is a device including a plurality of electrodes, an acquisition module including a signal processor coupled to the plurality of electrodes for acquiring electrical signals from the electrodes and for generating a plurality of ECG precordial leads from the acquired electrical signals. According to the method of the invention, an approximation of the electrical potential near the center of the patient's heart (i.e., a precordial central terminal) is generated based on the signals acquired from the plurality of electrodes. The precordial central terminal signal is subtracted from the signal acquired from each electrode attached to the patient's chest in order to generate the precordial leads.

Figures